

Programming Standards

System Administration

System Administrators (SA)

System Administrators will be certified and designated as a SA for the Interoperability Montana project. A background check will be done and a potential SA will have to be recognized by the IM as a SA. Keys and Codes must be kept in a secured/lock location in a law enforcement facility and shall not be given to local radio shops. Printed keys must be kept in a separate locked location. Duties of the SAs would include: Input records, reports, programming.

System Keys

The keys are used to access the zone controller and enable the holder of the key to change anything in the trunking section of the radio. Without the key, conventional aspects of the system can be changed, but not trunking. The decision whether the local shops or system administrator will do system programming should be decided by the IMPD.

User IDs and Naming Conventions

User ID

A statewide format has been developed, the Individual Code ID Matrix. The first two digits of the ID (Code) are the county code, followed by a one digit user code (county/local, state, federal or BIA), followed by the radio type (control station, handheld, mobile etc.) and the last three digits are used to identify the user either by vehicle number, badge number or other means).

Naming Conventions

Abbreviations for statewide naming conventions will be as follows:

Dispatch – D1,

Operations– OPS (TAC will not be used on the trunked system.)

Administration – Admin

Command – com

State agencies will begin with S. The abbreviation should be followed by the county code (05, 38) and by an agency description (SO = sheriff's office, PD = police department, FD – fire department).

Programming

Failsoft

This feature will not be used in the State of Montana.

Private Calls

Private calls will not be allowed statewide due to the potential for abuse and associated excessive utilization of resources.

Encryption

IM will only use the DES Encryption Standard.

The law enforcement shared encrypted key will be in clear mode at all times. Incident Talkgroups and Multigroup calls will be in clear mode. National, statewide and local keys are available.

All outgoing communications from dispatch will be in the clear (not encrypted) mode.

Statewide, encryption keys and codes will be generated by the Montana Highway Patrol. Keyloaders will be pre-loaded and provided to system administrators. TrESAP System Administrators will generate local keys.

Zone C

Zone C will be programmed the same in all radios statewide. It doesn't have to be the third slot but must be called Zone C. The first three channels will be for county use with Channel 1 and 2 being trunked. Channel 3 will be the digital interop talkgroup, running in conventional mode and used for car to car communications. The other channels will be as follows:

- 4 Blue - conventional
- 5 Silver - conventional
- 6 Red - conventional
- 7 Gold - conventional

- 8 Ruby/Garnet - conventional
- 9 Brown - conventional
- 10 Gray – conventional (this may change based upon meeting with Jim DeTienne)
- 11 Green – conventional
- 12 Incident 5 (naming = S 5) this is for statewide use
- 13 Incident 4 (naming = S 4) this is for statewide use
- 14 Incident 3 (naming = county code) this is for local use
- 15 Incident 2 (naming = county code) this is for local use
- 16 Incident 1 (naming = county code) this is for local use

Use of Incident 4 and 5 does not preclude local use. However, scanning will not be allowed because it uses too many resources. Abuse of scanning will result in one warning to the jurisdiction/agency. Continued abuse will result in the Talkgroup being disabled on that radio.